



magicolor® 2210

Installation Guide

English

1800668-001C

Thank You

Thank you for purchasing a magicolor 2210. Your magicolor 2210 is specially designed for optimal performance in Windows, Macintosh, and networking environments.

Trademarks

The following are registered trademarks of MINOLTA-QMS, Inc.: QMS, the MINOLTA-QMS logo, Crown, CrownNet, and magicolor.

Minolta is a trademark of Minolta Co., Ltd. Other product names mentioned in this guide may also be trademarks or registered trademarks of their respective owners.

Proprietary Statement

The digitally encoded software included with your printer is Copyrighted © 2001 by MINOLTA-QMS, Inc. All Rights Reserved. This software may not be reproduced, modified, displayed, transferred, or copied in any form or in any manner or on any media, in whole or in part, without the express written permission of MINOLTA-QMS, Inc.

Copyright Notice

This guide is Copyrighted © 2001 by MINOLTA-QMS, Inc., One Magnum Pass, Mobile, AL 36618. All Rights Reserved. This document may not be copied, in whole or part, nor transferred to any other media or language, without written permission of MINOLTA-QMS, Inc.

Notice

MINOLTA-QMS, Inc. reserves the right to make changes to this guide and to the equipment described herein without notice. Considerable effort has been made to ensure that this guide is free of inaccuracies and omissions. However, MINOLTA-QMS, Inc. makes no warranty of any kind including, but not limited to, any implied warranties of merchantability and fitness for a particular purpose with regard to this guide. MINOLTA-QMS, Inc. assumes no responsibility for, or liability for, errors contained in this guide or for incidental, special, or consequential damages arising out of the furnishing of this guide, or the use of this guide in operating the equipment, or in connection with the performance of the equipment when so operated.

Registering the Printer

Mail—Fill out and send in the registration card enclosed in your shipment or downloaded from www.onlineregister.com/minolta-qms/

Internet—Follow the instructions on www.onlineregister.com/minolta-qms/

or

Software Utilities CD-ROM—Follow the instructions on the CD-ROM.

MINOLTA-QMS PRODUCT REGISTRATION

MINOLTA-QMS

www.minolta-qms.com The essentials of imaging

Asterisks (*) indicate required fields.

First Name * Last Name *

E-mail Address *

Company Name

Address 1 *

Address 2

City * State/Province *

Province/Country, if outside USA/Canada

ZIP/Postal Code * Country *

Phone Fax

Preferred method of contact ☒ Mail ☐ Fax ☐ E-Mail ☐ Phone

1 of 3

Contents

Getting Acquainted with Your Printer	1
Features	1
Front/Right Side View	1
Front Internal View	2
Left/Rear Side View	2
Location Requirements	2
Documentation Set	3
Setting up Your Printer	4
Shipment Contents	4
Unpacking the Printer	4
Loading Media	11
Installing Accessories	15
Plugging in/Turning on the Printer	16
About the Control Panel	17
Control Panel Indicators	17
Control Panel Keys	18
Printer Menu Overview	18
Menu Chart Conventions	18
Security Menu	19
Operator Control Menu	20

Administration Menu	21
Selecting a Message Window Language	22
Printer Control Panel	22
About the Interface Panel	23
Software Utilities CD-ROM	24
Regional Settings	24
Drivers and Utilities	24
Installing Printer Drivers and Software	26
Installing Windows Drivers and Utilities via a Parallel Connection	26
Installing Windows Drivers and Utilities via an Ethernet TCP/IP	
Interface Configuration	28
Installing Macintosh Drivers and Utilities	30
Installing Drivers and Utilities on UNIX and Others	31
Troubleshooting	32
Solving Problems during Installation	32
Accessories and Consumables	36
Accessories	36
Consumables	37
Regulatory Compliance	38
FCC Compliance Statement	39
EN 55022	40
Canadian Users Notice	40
Laser Safety	40
International Notices	41
Warranty Considerations	41
Consumables and Your Warranty	41
Manufacturer's Declaration of Conformity	42
Europe	42
Latin America 110 Volt	43
Latin America 220 Volt	43

Getting Acquainted with Your Printer

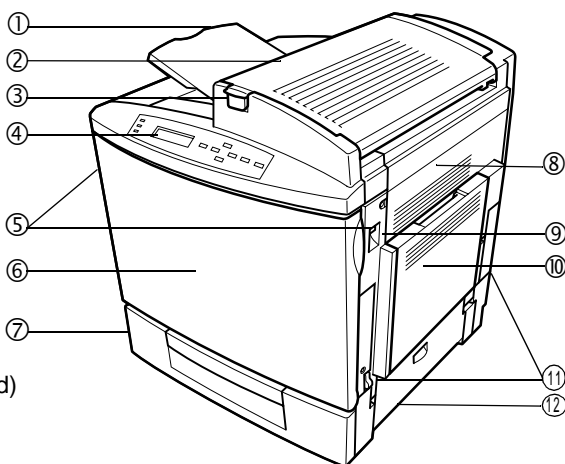
Features

Print Speed	5/20* pages per minute
SDRAM	128 MB
Resolution	1200 x 1200 dpi
500-sheet Letter/A4/Legal (Upper Media Tray)	●
Multipurpose Tray	●
Internal IDE Hard Disk	○
Time-of-Day Clock	○
Lower Feeder Unit	○
5-bin Mailbox	○
Duplex Unit	○
Notes	*5 = color; 20 = monochrome black. ● = Standard ○ = Optional

The following drawings illustrate the parts of your printer referred to throughout this guide, so please take some time to become familiar with the printer.

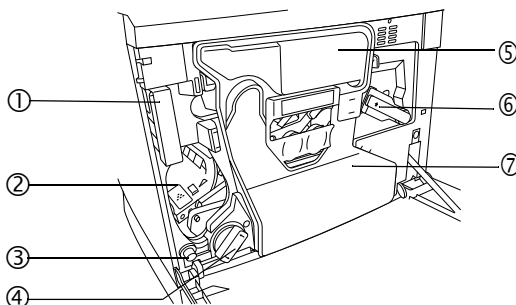
Front/Right Side View

- 1—Output tray
- 2—Top cover
- 3—Top cover latch
- 4—Control panel and message window
- 5—Front cover latch (one on each side)
- 6—Front cover
- 7—Upper media tray (tray also known as a cassette)
- 8—Right-side cover
- 9—Right-side cover latch
- 10—Multipurpose tray (closed)
- 11—Pull-out carrying bars (one on each side)
- 12—Upper feed path cover



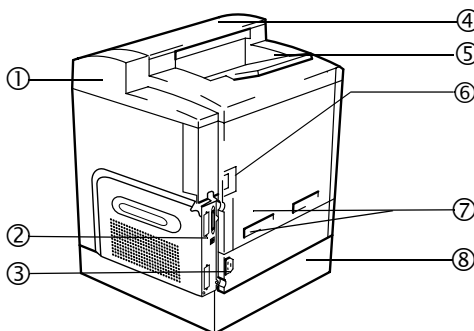
Front Internal View

- 1—Toner ejection lever
- 2—Toner cartridge slot
- 3—Toner carousel release button
- 4—Toner rotation knob
- 5—Waste toner pack
- 6—Transfer belt unit right release lever
- 7—OPC drum cartridge

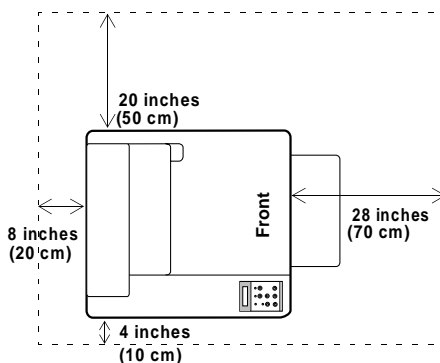


Left/Rear Side View

- 1—Ventilation grille
- 2—Interface panel
- 3—AC power connector
- 4—Top cover
- 5—Output tray
- 6—Main power switch
- 7—Hand grips for moving printer
- 8—Media tray (left side)



Location Requirements



WARNING!

Obstructing the ventilation grilles could present a fire hazard.

Documentation Set

Your magicolor 2210 comes with two CD-ROMs. All the documentation is on the *Documentation* CD-ROM unless otherwise noted below. It is provided in Adobe Acrobat PDF format.



Look for the movie camera icons in the manuals. If you're using the Acrobat PDF version of this guide, click the icon to play a QuickTime video clip of the procedure described in the text.

Quick Setup Guide	Use this sheet when unpacking the printer.
Service & Support Guide	This lists global sources of service and support for your printer. Further information about MINOLTA-QMS printers is available through the Internet.
Installation Guide	You're looking at this document right now. This assists in setting up the printer, installing a printer driver, and connecting to a network. It also briefly describes the control panel and configuration menu.
User's Guide	This guides you through the day-to-day operation of your printer, including information on printing files, loading print media, and replacing toner. It also includes information on handling, cleaning, and maintaining your printer; improving print quality; and troubleshooting printer problems.
Maintenance Guide	This guide is a handy item to keep at the printer for quick reference information regarding operation and care of the printer.
CrownBooks	These manuals provide detailed information about Crown architecture, color printing, menu configuration, and advanced computer/network connection and configuration. They can be found in PDF format on the <i>Software Utilities</i> CD-ROM.
Registration Card	Registration and warranty information is included.

Setting up Your Printer

WARNING!

The printer weighs 87.1 lbs (39.5 kg) without consumables. To avoid personal injury or damage to your printer, at least two people must lift and move the printer.

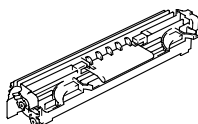
Attention

During installation, do not plug in the printer's power cord until told to do so.

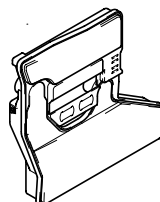
Shipment Contents

- Printer with a 500-sheet letter/A4/legal media tray
- Consumables kit

Fuser oil roller



Waste toner pack



- Power cord
- Documentation (see "Documentation Set" on page 3)
- Two CD-ROMs



Interface cables aren't included in the shipment. If you need cables, contact your local vendor or computer store.

Unpacking the Printer

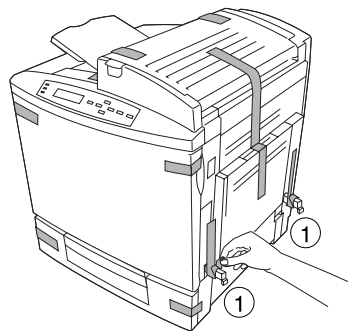


Save the packing materials in case you ever have to relocate your printer or for future storage.

After removing the carton, use the following instructions to unpack your printer.

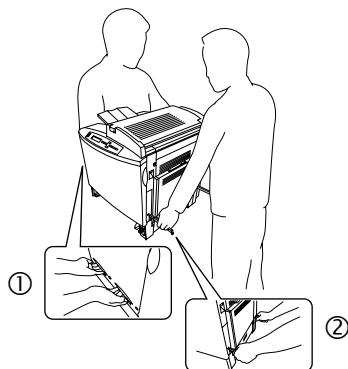
- 1 Remove the protective plastic cover.

- 2 Remove the tape from the outside of the printer.
- 3 Take the tape off of the pull-out carrying bars ① and slide them outward from the printer.

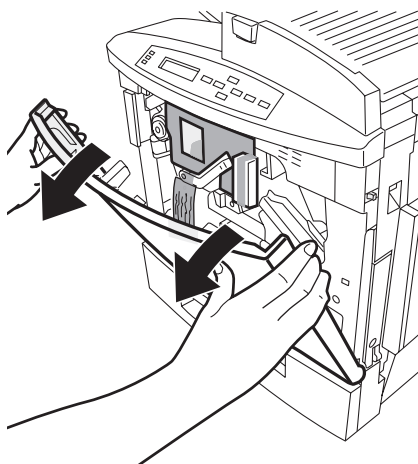


- 4 With another person's help, lift the printer from the carton, and place it in its intended location. A third person's assistance may be required if the printer is lifted above waist level.

When lifting and carrying the printer, use the hand grips ① and the pull-out carrying bars ②.



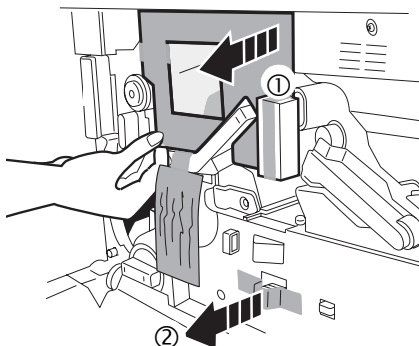
- 5 Open the front cover.
Use both hands to avoid putting uneven strain on the front cover's hinges.



- 6 Remove the cardboard/foam spacers ① and the tape ② from the laser lens cover.



The transfer belt left release lever will move to the 4 o'clock position when you remove the spacers.

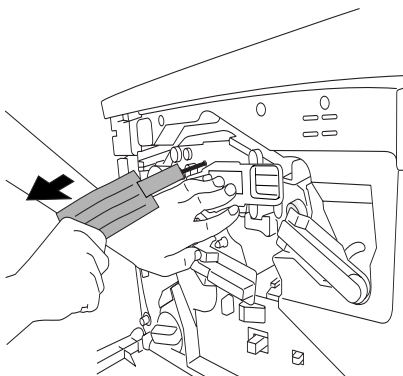


- 7 Pressing on the transfer belt unit front handle with one hand, take the yellow tag attached to the transfer belt unit fixture with your other hand, and pull the fixture straight toward you.

This fixture protects the transfer belt during initial transportation.

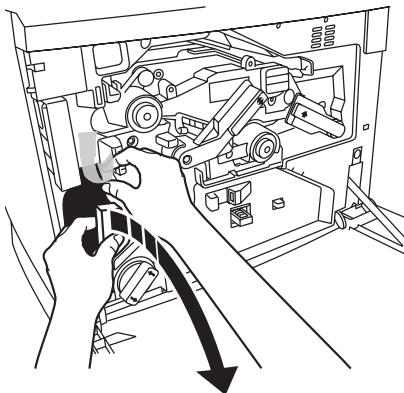


Dispose of the fixture according to your local regulations.



- 8 Remove the tape holding the toner cartridge carousel in place.

- 9 Remove the piece of foam attached to the front of the toner cartridge carousel.



Installing the Waste Toner Pack

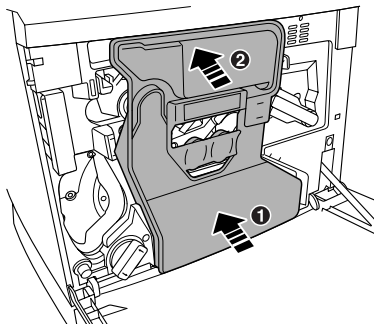
The waste toner pack collects the excess toner remaining on the OPC drum.

- 1 Remove the waste toner pack from its plastic shipping bag.
- 2 Make sure the transfer belt unit left release lever is still set to its correct (2 o'clock) position.

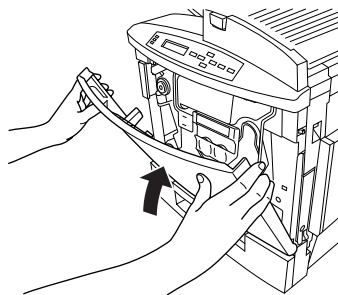


If the transfer belt unit left release lever is at its top (12 o'clock) position or the laser lens cover is not firmly seated, the waste toner pack cannot be installed.

- 3 Press the bottom of the waste toner pack into the printer first, then the top, until it is firmly seated.

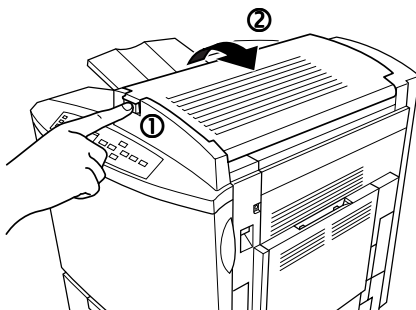


- 4 Close the front cover.
Use both hands to avoid putting uneven strain on the front cover's hinges.

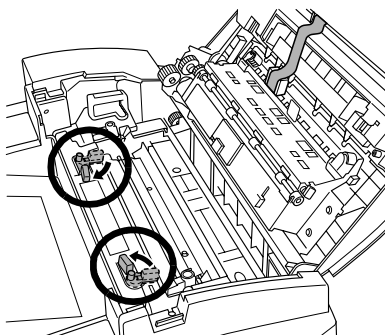


Installing the Fuser Oil Roller

- 1 Push the top cover latch ① to open the top of the printer ②.



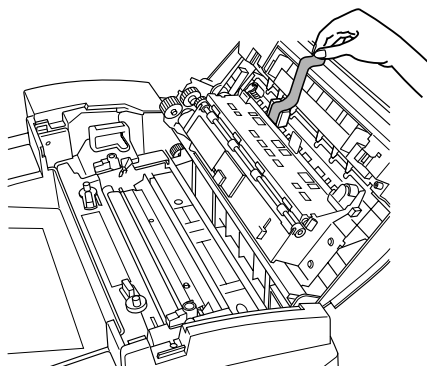
- 2 Rotate the two small levers to the unlocked position.



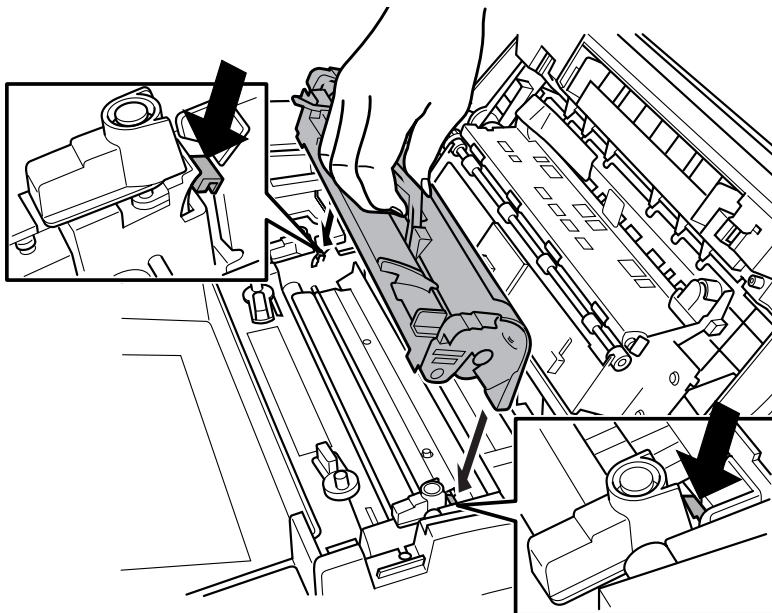
- 3 Remove the tape from the media exit area.
- 4 Remove the fuser oil roller from its box.

Attention

Lift and hold the fuser oil roller only by the handle. Do not allow the roller surface to contact the table or get dirty. This could lower image quality.



- 5** Insert the fuser oil roller guides into the guide rails, then carefully lower the roller.

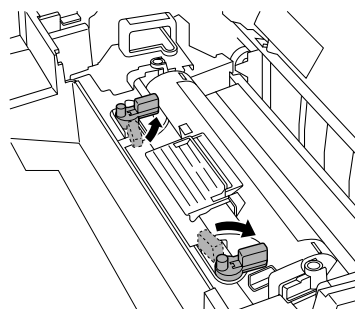


If the guides don't go down into the guide rails, the top cover cannot be closed.

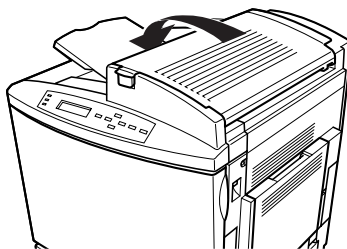
- 6** Rotate the two fuser oil roller levers to the locked position.



If the fuser oil roller release levers are not correctly set, the top cover cannot be closed.

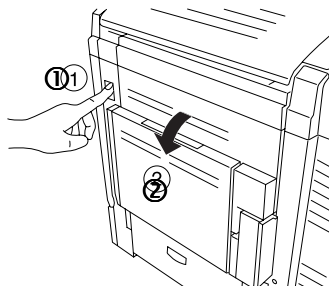


- 7 Close the top cover gently to avoid jarring the fuser oil roller.

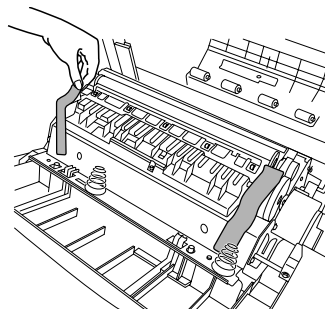


Removing the Tape from the Transfer Roller

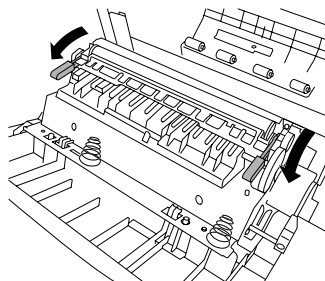
- 1 Press the right cover release button ① and open the right cover ②.



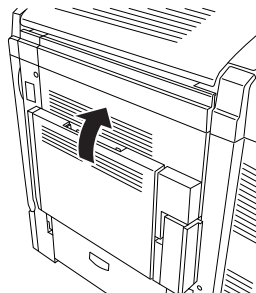
- 2 Remove the tape from the transfer roller unit.



- 3 Make sure the transfer roller unit handles remain in their down position.



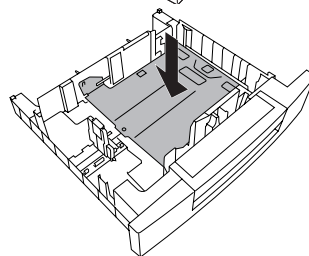
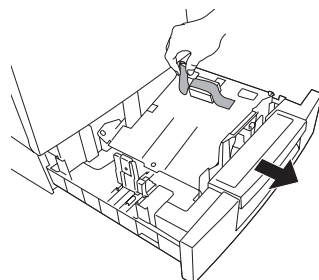
- 4 Close the right cover.



Loading Media

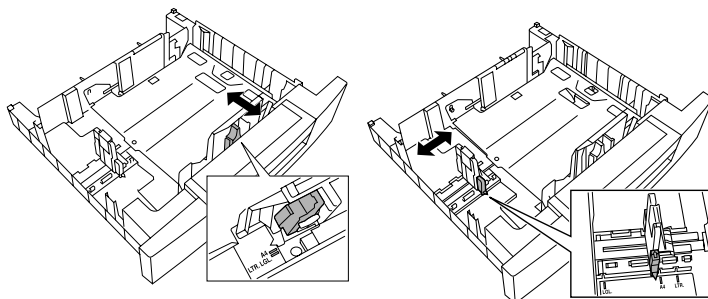
Loading the Media Tray

- 1 Slide out the media tray.
- 2 Remove the tape and the packing material from the media pressure plate.
- 3 Push the media pressure plate down to lock it in position.



- 4 Adjust the media guides to fit the size paper you're loading.

Squeeze the retainers, move the guides to the appropriate location (media sizes are listed on the tray), and release the retainers.

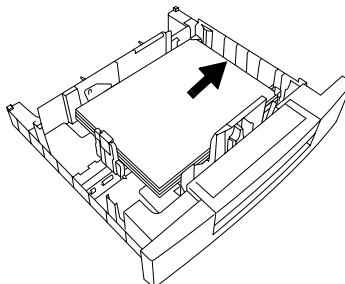


Attention

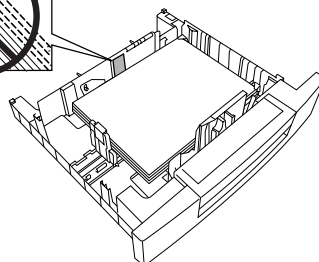
The media should fit easily between the guides. Improperly adjusted guides may cause poor print quality, media jams, or printer damage.

- 5** Load the media face-up, short edge toward the right of the tray.

Often, an arrow on the media package label indicates the printing-side of the media.

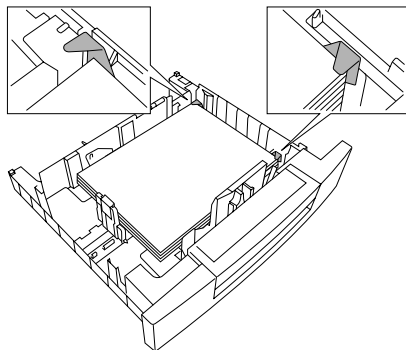


A fill limit mark is provided on the inside of the tray. The media tray holds 500 sheets of 20 lb bond (75 g/m²) paper.



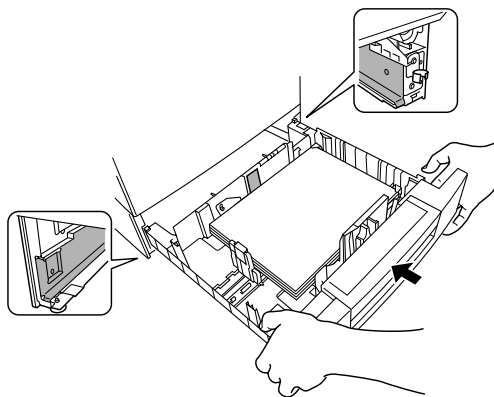
Make sure that the paper fits easily between the guides and the paper corners are under the left and right media-separating tabs and are not bent.

For further information about loading and using media, refer to chapter 2, "Using Media," in the User's Guide.



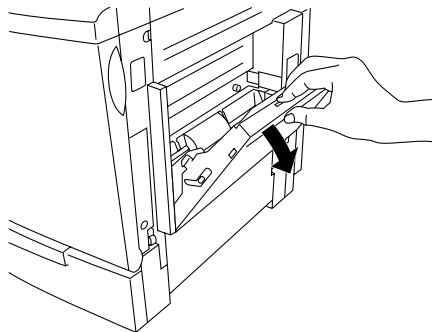
- 6** Slide the media tray all the way in.

If you have removed the tray from the printer, slightly tilt up the front of the tray to insert it into the guide rails to slide it back in.

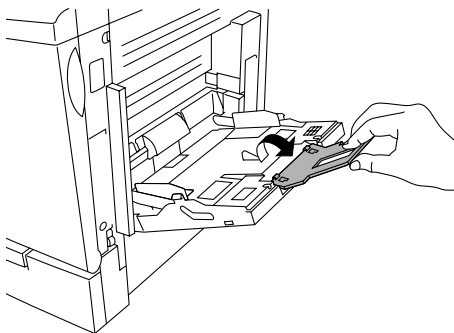


Loading the Multipurpose Tray

- 1** Open the multipurpose tray.



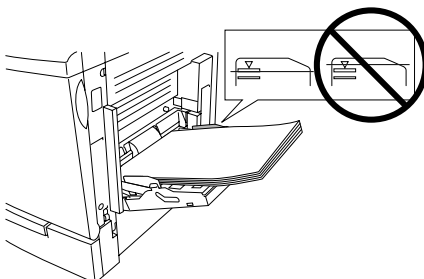
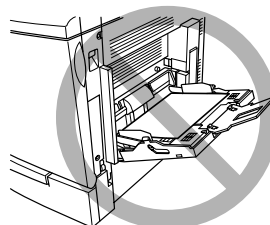
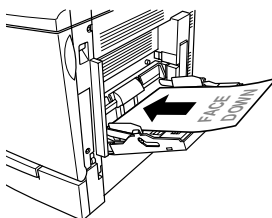
- 2 Open the media support.



- 3 Load the media face down, short edge toward the printer.

Often, an arrow on the media package label indicates the face-up side of the media.

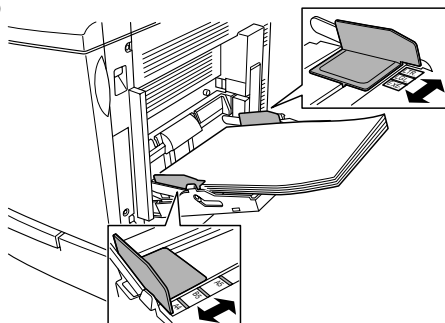
A fill limit mark is provided on the inside of the media guides on the multipurpose tray. The multipurpose tray holds 150 sheets of 20 lb bond (75 g/m²) paper.



Attention

Load only one type or size of media per tray at a time.

- 4 Adjust the media guides to fit the size media you're loading.



Attention

Always adjust the media guides after inserting the media. A guide that is not properly adjusted can cause poor print quality, media jams, or printer damage.

- 5 Specify the media size in the multipurpose tray by using the MP Size key on the control panel.

For further information about loading and using media, refer to chapter 2, "Using Media," in the *User's Guide*.

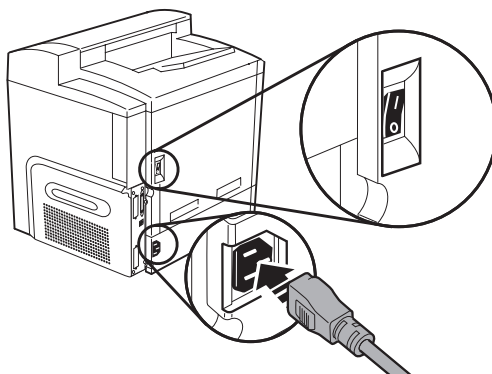
Installing Accessories

If you purchased any additional printer accessories, then install them now. If installation instructions are included with the accessory, follow them. If not, instructions are included in the *User's Guide*.

A complete list is in "Accessories and Consumables" on page 36. Refer to www.minolta-qms.com for part numbers and pricing.

Plugging in/Turning on the Printer

- 1 Make sure the printer is turned off.
- 2 Plug the printer power cord into the printer and into the dedicated, grounded, surge-protected electrical outlet.



WARNING!

Do not overload the outlet. For products installed outside North America, do not connect the groundwire to gas or water pipes or grounding for telephones.

- 3 Turn on the printer.



In compliance with UL guidelines, "The appliance inlet is considered to be the main disconnect device."

After a brief warmup, your printer prints a startup page and displays "IDLE" on the message window. If "IDLE" is not displayed in the message window after the power switch is turned on, the setup operation is not proceeding correctly or the printer may be malfunctioning. Recheck the setup. If the startup page doesn't print or the print quality is not good, skip ahead to "Troubleshooting" on page 32.

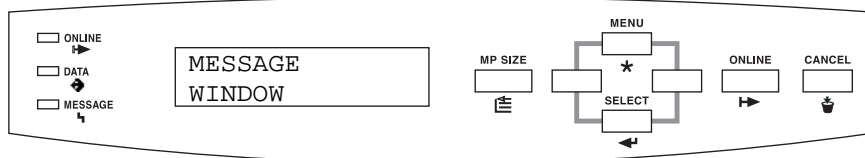


The printer automatically switches to power-saving mode after 30 minutes of inactivity. In the Administration/Engine/Energy Saver menu, you can change the number of minutes before the printer switches to power-saving mode.




About the Control Panel

The control panel, located on the front of the printer, allows you to direct the printer's operation. In addition, it displays the current status of the printer, including any condition that needs your attention. The control panel consists of the following parts:

- Three indicators (LEDs) to provide printer status information.
- A message window to display status and configuration information.
- Seven keys to allow you to control the printer configuration through access to frequently used printer functions.



Control Panel Indicators

Indicator	Off	On
 ONLINE	The printer is off line and not ready to accept data.	The printer is on line and ready to accept data.
 DATA	The printer is not receiving data.	The printer is receiving data from one or more of its interfaces.
 MESSAGE	No problem.	The printer requires operator attention (usually accompanied by a status message in the message window).

Key	Function	Press Online First?
MENU ★	Accesses the printer menu. When you're changing the printer configuration, press this key to cancel a change (before pressing the Select keys), to return to the previous selection or option for the current menu, and to return to the previous choice when changing character information.	Yes
SELECT ←	The Select key accesses a menu or chooses a displayed menu option, advancing to the next selection or option for the current menu and advancing to the next choice when changing character information.	N/A
→ ONLINE	The Online key switches the printer between online and offline status. Press the key once to take the printer off line when it is on line, and press the key once to return the printer to on line when it is off line. When off line, the printer continues printing until it has finished all jobs received, but it doesn't accept any new data. Although jobs continue to compile and print using the data already received, a job may be interrupted. If a remote console has taken the printer off line, pressing the Online key on the control panel will not take effect until the remote console puts the printer back on line.	N/A
CANCEL 🗑️	The Cancel key allows you to cancel one or all print jobs or to end a job. If the printer is on line, press the Cancel key to cancel the job currently printing. If you press the Cancel key by mistake, or if you decide not to cancel a print job after pressing this key, press the Cancel key to "cancel" the Cancel key's function.	No
◀ ▶	Previous/Next navigation keys allow you go backward or forward through the menu choices.	Yes

Printer Menu Overview

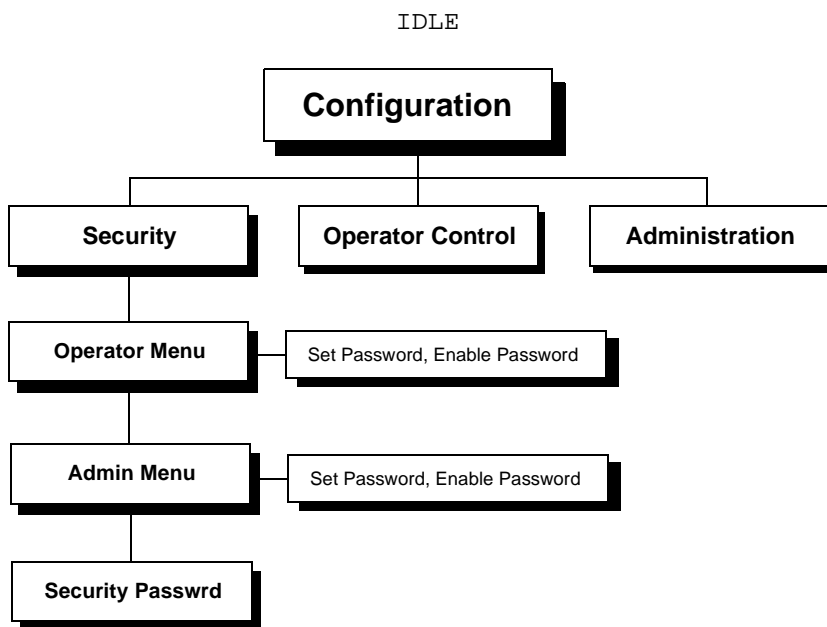
Menu Chart Conventions

The following conventions are used in the menu charts:

- Some menu choices are marked as optional, indicating that the selection appears in the menu only when the option is installed.
- Defaults are **bolded**.

For information about setting and changing passwords, refer to the *CrownBooks*.

Security Menu



Operator Control Menu

English

IDLE

Configuration

Operator Control

Administration

Security

Copies

001-999

Duplex

Off, Long Edge, Short Edge

Outputbin

Upper, Mailbin1*...Mailbin5*

Chain Mail Bin*

Off, On

Collation

Off, On

Orientation

Portrait, Landscape

Inputbin

Multipurpose, **Upper**, Optional*

Chain Inputbins

Off, On

Multipurpose Sz

Letter, Legal, A4, UK Quarto, Foolscap, Folio, SP Folio, Executive, B5 JIS, A5, Statement, B5 ISO, C5, DL, Com10, C6, Monarch, Postcard, GT Postcard

Color Separation

Off, On

Color Model

Full Color, Monochrome

Media Mode

Single User Mode, Network Mode

Color Matching

ICC RGB Source, ICC Simulation, ICC Destination, ICC PCL Source, Link Quality, SIM in RGB Links

Media

For MPT Bin, For Upper Bin, For Optional Bin*

Accounting**

Mode, Disk Space, ResetAccounting, File Segment

Proof-Then-Print**

File Name1

* **Optional**

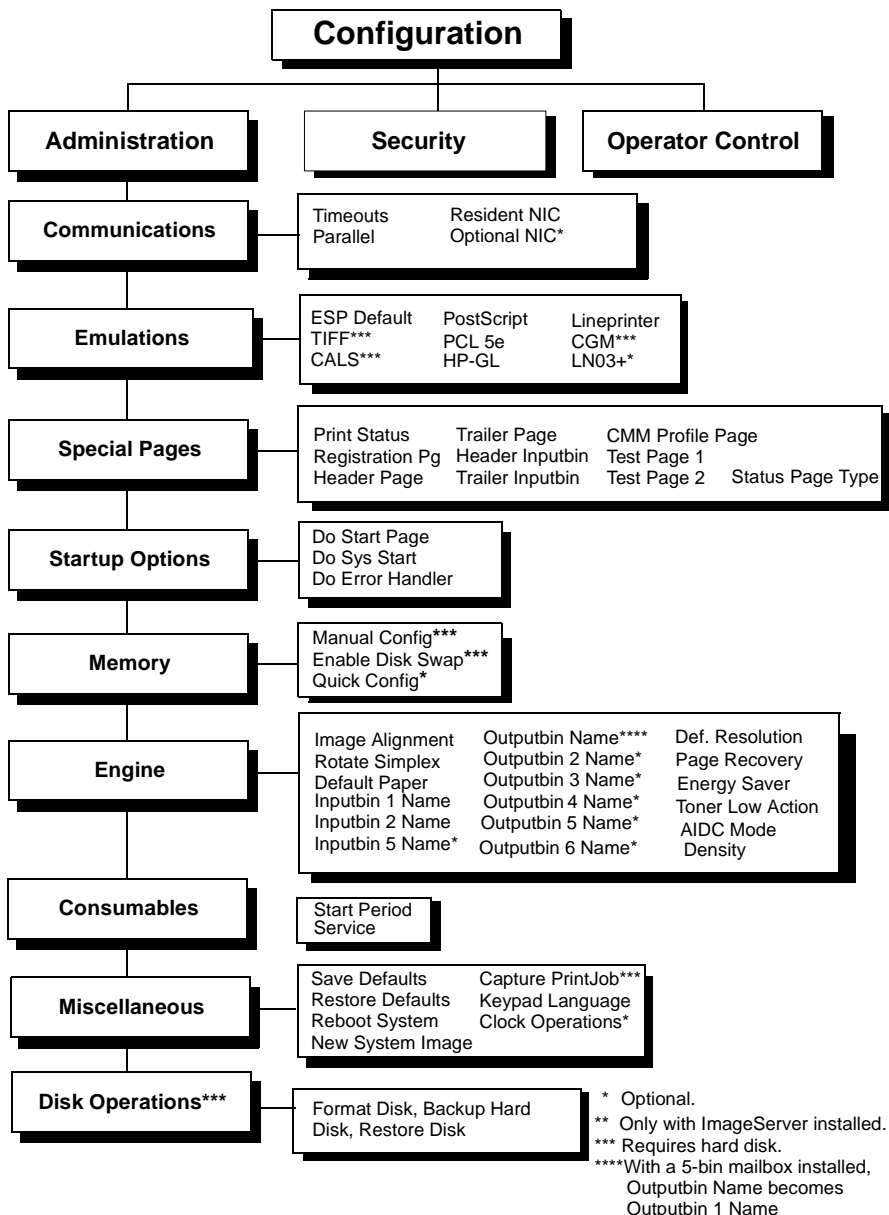
**Only with a hard disk installed

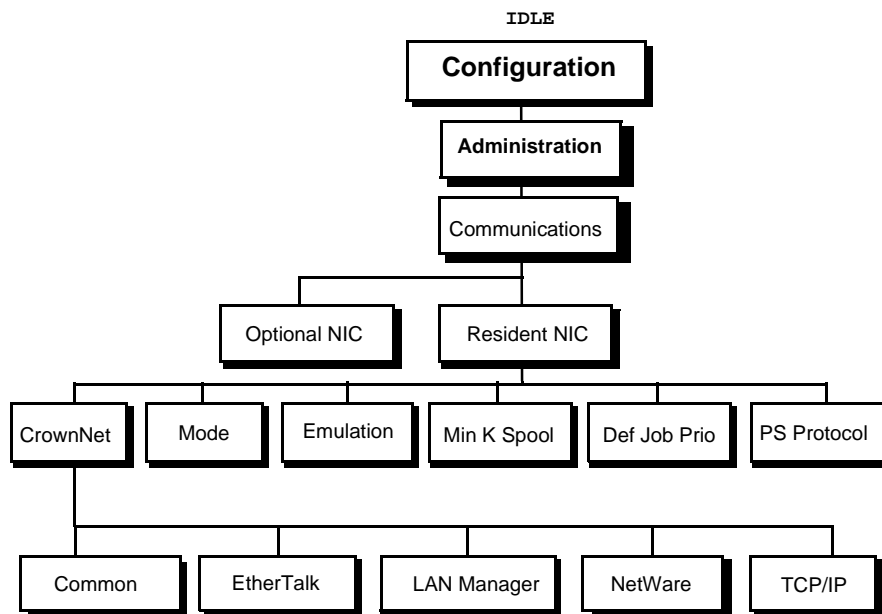
Consumables

Item Replaced, Print Statistics

Administration Menu

IDLE





Selecting a Message Window Language

Printer Control Panel

The control panel message window provides status and configuration information. Status messages and configuration menus can be displayed in the message window in Czech, Danish, Dutch, English, French, German, Italian, Japanese, Portuguese, and Spanish. When you receive your printer, the default language is set to *English.

Chinese (Simplified), Japanese (Kanji), Korean (Hangul), and Taiwanese (Traditional) do not display in the control panel message window, but choosing them makes the correct language display in CrownView.

If you want to change the message window language, use the following control panel sequence (slightly dependent upon the model and installed options):

Press Key	(Until) Display Reads
Online	IDLE (and online LED is off)
Menu	OPERATOR CONTROL
Next (▶)	ADMINISTRATION
Select	ADMINISTRATION-COMMUNICATIONS
Previous (◀)	ADMINISTRATION-MISCELLANEOUS
Select	MISCELLANEOUS-SAVE DEFAULTS
Previous (◀)	MISCELLANEOUS-KEYPAD LANGUAGE
Select	KEYPAD LANGUAGE-*ENGLISH
Next (▶)/ Previous (◀)	Press the Next and/or Previous key until the language required is displayed
Select	<LANGUAGE> IS SELECTED



The printer must be restarted for changes to the Language menu to take effect. You can either let the printer restart automatically after you save the change and exit from the Configuration menu, or you can wait for the change to take effect the next time you manually turn on the printer.

About the Interface Panel

The interface panel is located on the left back of the printer.

■ Parallel connection

Using a Centronics IEEE 1284 bidirectional parallel cable, connect the parallel port on the printer to the parallel port on your computer.

■ Ethernet connection

Using a twisted-pair (RJ45) Ethernet cable, connect the Ethernet port on the printer to a 10BaseT/100BaseTX network connection.

Optional interface port

Parallel port


Ethernet port

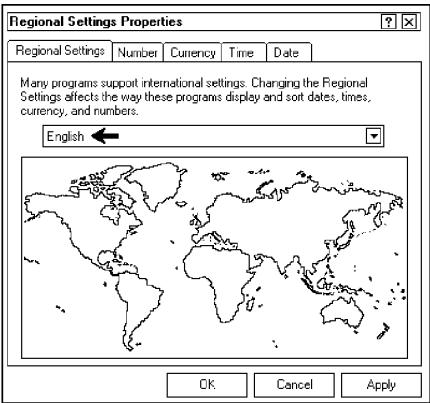
Optional SCSI port



Regional Settings

The *Software Utilities* CD-ROM checks your computer's Regional Settings and automatically starts up in the language that you selected if it is supported. In a Windows environment, you may change the opening language by changing the computer's Regional Settings (double-click on the My Computer icon, then on Control Panel, then on Regional Settings).

 Other applications on your PC may also be affected by changing the Regional Settings.



Drivers and Utilities

The printer driver and additional software found on the *Software Utilities* CD-ROM can be installed on PCs using any of the following:

- Windows Me
- Windows 2000
- Windows NT4
- Windows 98
- Windows 95 (B or above)
- Macintosh
- UNIX
- NetWare
- Others

Drivers/Utilities	Use/Benefit
PostScript Driver for Me/98/95	This driver gives you access to all of the printer features, including finishing, color management, and advanced layout on the Windows Me/98/95 platform. It is designed to be feature-rich while versatile and easy to use.

Drivers/Utilities	Use/Benefit
PostScript Driver for 2000/NT4	This driver gives you access to all of the printer features, including finishing, color management, and advanced layout on the Windows 2000/NT4 platform. It is designed to be feature-rich while versatile and easy to use.
PostScript Printer Description	These PPD files allow you to install the printer for a variety of platforms, drivers, and applications.
Crown Print Monitor for Windows	This Windows utility gives an efficient serverless method for transporting print jobs directly to a MINOLTA-QMS printer via the TCP/IP protocol. The Crown Print Monitor functions on Windows Me/98/95 as well as Windows 2000/NT4.
Profile Downloader	This utility allows you to download color profiles from a Windows workstation to the printer's hard disk.
PageScope	This utility, designed with administrators in mind, is a powerful tool allowing centralized management of all the Crown printers on your network. It is available for Windows, Macintosh, and UNIX platforms. Refer to the <i>PageScope</i> manual for more information.
UNIX Host Software	UNIX Host Software, compatible with a variety of UNIX platforms, allows for the customization of UNIX-based queues and filters for the specific features of the Crown printer.
Printer Utility for the Macintosh	This utility provides common management tasks for Crown printers from a Macintosh platform, such as naming the printer, configuring the printer, and downloading fonts.

Installing Printer Drivers and Software

You can install printer drivers and utilities via a parallel or an Ethernet connection.

Installing Windows Drivers and Utilities via a Parallel Connection

Plug and Play Installation



Ethernet connections don't support Plug and Play technology. If you're using an Ethernet network connection, skip to "Installing Windows Drivers and Utilities via an Ethernet TCP/IP Interface Configuration" on page 28.

1

Connect your printer to your PC with a parallel cable.



Under certain PC configurations, the Software Utilities CD-ROM automatically launches its own installation utility. If this should occur during the Plug and Play procedure, cancel the Plug and Play installation and install the driver using the CD-ROM installer for easy access to color management and online documentation.

2

With your PC turned off, turn on the printer (the power switch is on the left side of the printer), and then turn on your PC. A **Found New Hardware** message appears. Follow the directions for your operating system:

Windows Me/98/95	Windows 2000
Insert the <i>Software Utilities</i> CD-ROM.	Select ⊙ Search
When the Other Locations window appears, choose Select Other Location .	Insert the <i>Software Utilities</i> CD-ROM.
Select Browse	Select <input checked="" type="checkbox"/> CD-ROM Drives De-select all other choices.
Locate the Driver directory on the CD-ROM, and then choose OK .	Choose Next

- 3 Follow the instructions on the screen to complete the installation of the printer driver. When the installation is complete, the Windows desktop appears. Remove the CD-ROM from the PC, and store it in a safe place.



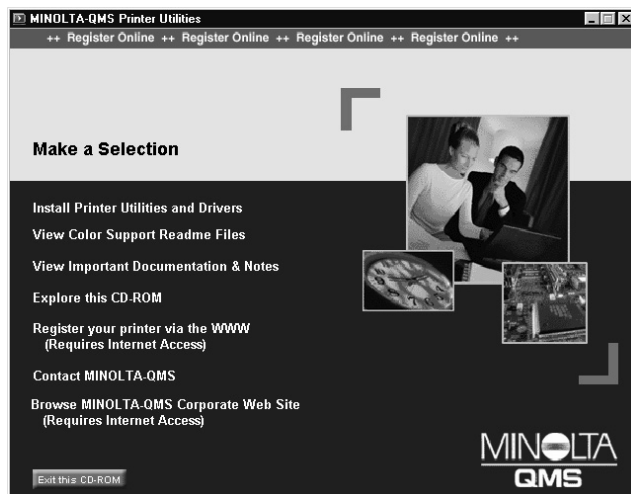
During software installation, you can view online help by choosing the Help button.

Manual Installation



If you installed the printer driver using Plug and Play technology, skip to "Installing Windows Drivers and Utilities via an Ethernet TCP/IP Interface Configuration" on page 28.

- 1 Connect your printer to your PC with a parallel cable.
- 2 Insert the autoloading *Software Utilities CD-ROM* in the CD-ROM drive on your computer.
- 3 When the installation application window appears, select **Install Printer Utility and Driver**, and then follow the on-screen instructions to install the printer driver and Crown Port Monitor.



Installing Windows Drivers and Utilities via an Ethernet TCP/IP Interface Configuration

Detailed instructions for configuring TCP/IP can be found in the *CrownBook* (in PDF format on the *Software Utilities* CD-ROM).

DHCP Installation

If you use DHCP to install TCP/IP, you must enable DHCP/WINS in Administration/Communications/Resident NIC/CrownNet/TCPIP printer configuration menu. See your network administrator and your *CrownBook* for further information.

Manual TCP/IP Installation

- 1 Connect your printer to the network with an Ethernet cable.
- 2 If necessary, in the Administration/Communications/Resident NIC/CrownNet/TCPIP/Internet Address menu, enter the printer's Internet address.

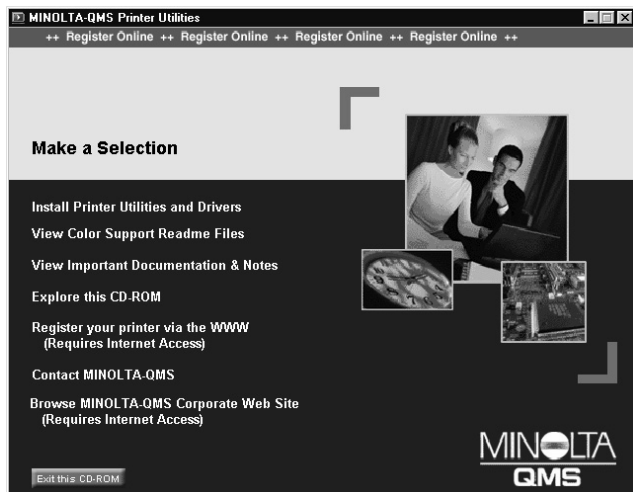
The factory default Internet address is 161.33.128.24. If necessary, in the Administration/Communications/Resident NIC/CrownNet/TCPIP/Default Router menu, enter the Internet address of the default router.

The factory default router address is 000.000.000.000. This setting provides automatic sensing of gateways. If you identify a subnet mask, automatic sensing is disabled.
- 3 If you want to refer to the printer by host name instead of IP address, edit the system host table by adding the following line to the host file:


```
internetaddress hostname
```

where internetaddress is the Internet address of the printer (Administration/Communication/Resident NIC/CrownNet/TCPIP/Internet Address menu, and hostname is the descriptive name of the printer). This requires administrator privileges on your network. Contact your system administrator.
- 4 Insert the autoloading *Software Utilities* CD-ROM into your CD-ROM drive.

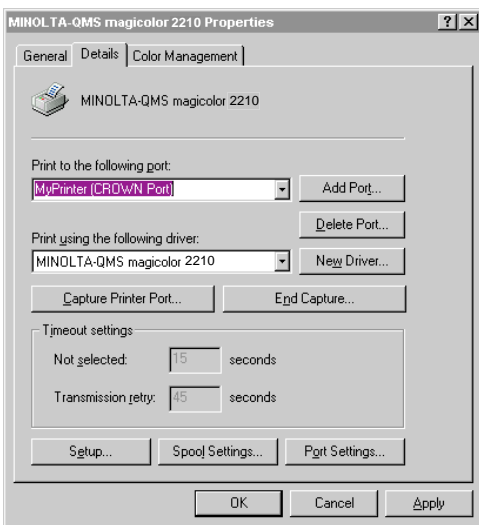
- 5 Click on the printer driver for your specific driver and port monitor. Follow the instructions on the screen.



Selecting the Crown Port

The Crown Print Monitor for Windows 2000/NT4/Me/98/95 transports print jobs to a print device using the TCP/IP protocol and provides status information to the host. If you installed the Crown Print Monitor, follow the instructions in this section to assign the new Crown port that was created.

- 1 From the Start menu, choose Settings.
- 2 Choose Printers.
- 3 In the Printers window click the right mouse button on the magicolor 2210 printer to display the printer's menu.
- 4 Choose Properties.
- 5 Choose the Details tab (Windows Me/98/95) or Ports tab (Windows 2000/NT4).
- 6 From the Print To The Following Port list, choose the



Crown port that was added during the Crown Print Monitor installation.

7
8

Choose OK to close the Printer Properties window.

Close the Printers window.



For additional information about the Crown Print Monitor, see the Crown Print Monitor Administrator's Guide (in PDF format on the Software Utilities CD-ROM). For information about the print monitor that comes with Microsoft Windows 2000, see your Windows documentation.

Installing Macintosh Drivers and Utilities

EtherTalk Interface Configuration

You can configure your MINOLTA-QMS print system by several different methods.

This section briefly describes the configuration procedure for the printer interface. You can make these configuration changes through any of the following means:

- Printer control panel
- Print Utility for Macintosh
- Remote Console
- CrownView

When your printer boots up, it will find a default zone. If your network has more than one zone, use the Administration/Communications/Resident NIC/CrownNet/EtherTalk/Zone Name/Zone Part 1 and Zone Part 2 menus to enter the name of the zone to which the printer is attached.



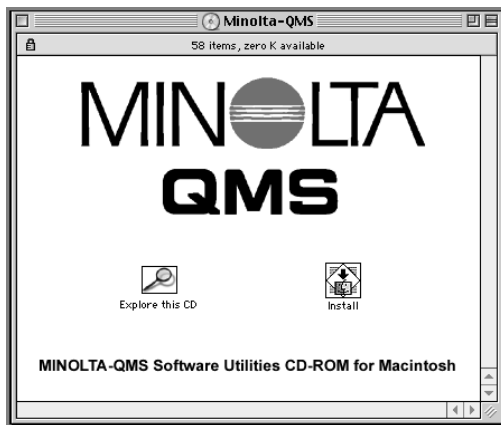
The two Zone Part x menus allow you to identify 1 zone with a name up to 32 characters long. (Up to 16 characters can be entered in each of the two menus). You cannot use these two menus to identify two zones. Trailing spaces are not considered part of the zone name. All standard printable ASCII characters are valid except the @ and ' symbols. The names are case sensitive.

PPDs and Utilities (OS9 and Below) Installation

- 1 Insert the autoloading *Software Utilities* CD-ROM into your CD-ROM drive.

This screen should appear.

- 2 If not, open the Readme file in the Explore button for information on the latest available drivers, PPDs, and utilities.
- 3 Double-click the INSTALL icon.
- 4 Follow the instructions on the screen.



PPDs and Utilities (OSX) Installation

For installation of PPDs and utilities for OSX, refer to the MINOLTA-QMS website at www.minolta-qms.com, and download the Macintosh OSX installer. Follow the instructions on the screen.

Installing Drivers and Utilities on UNIX and Others

For UNIX, NetWare 3, NetWare 4, NetWare 5, and NDPS installation, refer to the *CrownBook*.

Troubleshooting

Although the magicolor 2210 GN is designed to be highly reliable, you may occasionally experience a problem. The following helps you to identify the cause of the possible installation problems and suggests some solutions related to installation. For detailed troubleshooting information, refer to "Troubleshooting" in the *User's Guide*.

Solving Problems during Installation

Symptom	Cause	Solution
No lights or messages appear on the control panel.	There is no power supplied to the AC outlet. Something is wrong with the outlet you are using for the printer.	Make sure there is power supplied to the AC outlet. Plug another electrical appliance into the outlet and see whether it operates properly.
	The power cord is not plugged in securely into both the power outlet and the printer.	Turn the power switch Off (O position), then remove the power cord from the outlet and plug it back in. Make sure the power cord is plugged in securely both at the power outlet and the printer. Turn the power switch to the On (I) position.
	The printer power switch is not in the On (I) position.	Turn the printer power switch to the Off (O) position, then turn it back to the On (I) position.

Symptom	Cause	Solution
No lights or messages appear on the control panel.	The printer is connected to an outlet with a voltage or frequency that does not match the printer specifications.	<p>Check the voltage and frequency of the outlet. Use a power source with the following specifications:</p> <p>—Power</p> <p>Japan: 100 VAC 50–60 Hz 12 amps North America: 120 VAC 50–60 Hz 8 amps Europe: 220-240 VAC 50–60 Hz 6 amps Latin America: 120 VAC 50–60 Hz 8 amps 220-240 VAC 50–60 Hz 6 amps</p> <p>—Voltage fluctuation</p> <p>Japan: 100 VAC $\pm 10\%$ North America: 120 VAC $\pm 10\%$ Europe: 220-240 VAC $\pm 10\%$ Latin America: 120 VAC $\pm 10\%$ 220-240 VAC $\pm 10\%$</p> <p>—Frequency fluctuation rate within 50/60 ± 3 Hz</p>
The Online indicator is on and the message in the display is "IDLE," but no startup page prints.	You did not wait long enough.	Did you wait long enough? From a cold start, the printer takes approximately 3 minutes to warm up. Be sure you wait long enough for a startup page before suspecting a problem.
	Print startup is not enabled.	Make sure the option to print startup is enabled in Administration/Startup Options/Do Startup Page.
	The defaults have been changed.	Perform a restore defaults on the printer.
		From your control panel, select Administration/Miscellaneous/Restore Defaults/Factory Defaults/Yes.
		Can you print a simple sentence such as "This is a test." from a simple application on your computer (for example, WordPad or Notepad)? From your start menu on your computer, select Start/Programs/Accessories/WordPad.
	You haven't rebooted the printer.	Reboot the printer and reprint the job. Do you get an error page?

Symptom	Cause	Solution
The printer is not receiving data from the computer. (The Data indicator doesn't blink after a file is sent.)	The printer is not on line.	Put the printer on line and check if the message window displays IDLE .
	The emulation has been changed from ESP to an emulation that doesn't match the file you are sending.	Print a status page from the control panel.
The printer is printing codes or not printing at all when in ESP mode.	The printer emulation is not correct.	Reconfigure the port to the specific printer emulation of the file you are trying to print.
	Your ESP timeout is too short.	<p>If a PostScript file prints PostScript statements while the printer is in ESP mode, increase the ESP timeout.</p> <p>If you continue to have problems with the ESP mode selecting the appropriate printer emulation, contact Technical Support. Refer to the <i>Service & Support Guide</i>.</p>
Top cover does not close.	The fuser oil roller release lever is not set in the correct position.	Open the top cover and turn the fuser oil roller release lever (two locations) to the locked position, then close the cover gently to avoid jarring the printer.
Front cover does not close.	The transfer belt right release lever is not set in the correct position.	Turn the right release lever clockwise to the 10 o'clock position, then close the front cover.
	The waste toner is not set correctly.	Remove the waste toner, then reinstall it correctly.
Waste toner pack cannot be installed.	The transfer belt left release lever is not set correctly.	Turn the left release lever clockwise to the 2 o'clock position, then install the waste toner.
	The laser lens cover is not installed, or was not installed correctly.	Reinstall the laser lens cover.
Toner cartridge carousel will not turn.	The toner cartridge carousel dial is turned clockwise.	Turn the carousel dial counterclockwise.

Symptom	Cause	Solution
Toner cartridge carousel dial will not turn.	The toner cartridge carousel release button was not pressed.	Press and release the carousel release button, then turn the carousel dial counterclockwise.
Toner cartridge carousel slot is empty.	A toner cartridge was not inserted in that slot.	Press the toner release button and turn the carousel dial until you reach the empty slot. <i>You do not have to load the toner in a set sequence.</i>
Fuser oil roller cannot be installed.	The fuser release lever is not set in the correct position.	Turn the left release lever clockwise to the 12 o'clock position, then install the fuser oil roller.
OPC drum unit cannot be installed.	The transfer belt left release lever is not set to the OPC drum installation position.	Turn the left release lever counterclockwise to the 12 o'clock position, then install the OPC drum unit.
Startup page comes out skewed.	Media improperly aligned in tray or bad media.	Check media in trays.
CHECK WASTE TONER message appears in the message window.	The waste toner pack isn't properly installed.	Make sure the waste toner pack sits snugly against the printer.
Error message is displayed.	A consumable item, such as paper or toner, has run out.	Handle the message according to the message display.
	A unit or tray is not correctly installed.	
	The media is jammed.	
	A problem occurred inside the printer.	

Accessories and Consumables

Accessories

Refer to www.minolta-qms.com for part numbers and pricing.

Description	Remark(s)
5-bin Mailbox	Three models: For 100-, 120-, or 220-volt printers
Automatic Document Feeder (ADF) for SC-210/110	ADF for convenience copier
BuzzBox	Via parallel connection for 100, 120, and 220 volts
CGM	Emulation
CrownNet for Ethernet 10BaseT/100BaseTX Interface	Equipped with RJ45 connector
CrownNet for Token-Ring Interface	Equipped with STP and UTP connectors
Crown for DECnet-TCP/IP Interface	Equipped with 10BaseT
Dual In-Line Memory Modules (DIMMs)	32, 64, or 128 MB, PC-100 Compliant SDRAM DIMMs, up to a printer maximum of 384 MB
Duplex Unit	Automatic duplexing
ImageServer	TIFF/CALS emulation
Internal IDE Hard Disk Drive	Used for font and form storage, virtual memory and spooling, and job accounting
Kanji Font Internal IDE Hard Disk	Includes seven Morisawa fonts
LN03 Plus	Emulation
Lower Feeder Unit	Media tray included
Media Tray, 500 Sheet	Purchasing extra trays may be convenient when changing media formats and/or media qualities vary
Planet Press	Form-creation utility
Printer Stand and/or Cabinet	Various models available
QFORM	Form-creation utility
SC-210	Convenience copier

Description	Remark(s)
SCSI Interface	Up to 3 SCSI external devices allowed
Time-of-Day Clock	To time stamp jobs for accounting files as well as for header and trailer pages

Consumables

Refer to www.minolta-qms.com for part numbers and pricing.

Consumable life is expressed in simplex letter/A4 pages. A duplex page is equivalent to two simplex pages. Actual consumable life depends on variables such as page coverage, page size, media type, continuous or intermittent printing, duplexing, number of color planes, ambient temperature, and humidity.

Description	Remark(s)
Fuser oil roller	FUSER OIL LOW, FUSER OIL EMPTY, or REPLACE OIL ROLLER displays in the message window (after up to 21,000 single-sided continuous monochrome or 7,500 continuous color pages, or 7,000 intermittent monochrome or 5,000 intermittent color pages). Heavy coverage, intermittent printing, and different media types can use up oil at an accelerated rate, reducing fuser oil roller life.
Fuser unit/transfer roller kit	REPLACE FUSER displays in the message window (after 100,000 single-sided pages maximum at an equal mix of black and 4-color pages, all with 5% coverage of each color).
OPC drum kit (OPC drum cartridge, laser lens cover, and waste toner pack)	REPLACE DRUM, CHECK WASTE TONER, WASTE TONER NEAR FULL, or REPLACE WASTE TONER displays in the message window (up to 30,000 continuous monochrome or 7,500 continuous four-color pages, or 10,000 intermittent monochrome or 5,000 intermittent color pages).
Toner cartridge: Cyan, Magenta, Yellow, and Black	<COLOR> TONER EMPTY displays in the message window (after approximately 6,000 single-sided pages per cartridge—black, yellow, magenta, cyan at 5% coverage of each color).
Transfer belt	REPLACE TRANSFER BELT displays in the message window (after 107,000 pages continuous monochrome or 33,000 continuous color pages, or 44,000 intermittent monochrome or 23,000 intermittent color pages).

Regulatory Compliance

CE Marking and Immunity Requirements (EU)	International (EU) EN 55024 EN 50081-1 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11	Immunity Characteristics Generic Emission Standard ESD Radiated Susceptibility Fast Transients Surge Immunity Immunity to Conducted Disturbance Magnetic Field Immunity Voltage Dips and Variations
cTick Mark	ACA (Australia) AS/NZS 4251 AS/NZS 3458	Generic Emissions Standard ITE
Electro-magnetic Emissions (EMI)	FCC (USA) Title 47 CFR Ch. I, Part 15 Industry Canada (Canada) ICES-003 Issue 3 International (EU) EN 55022 EN 61000-3-2 EN 61000-3-3 VCCI (Japan) VCCI V-1/98.04	Class B Digital Device (Class A Digital Device with Token-Ring interface installed) Class B Digital Device (Class A Digital Device with Token-Ring interface installed) Class B ITE (Class A Digital Device with Token-Ring interface installed) Harmonic Current Emissions Voltage Fluctuations and Flicker Class B ITE
Energy Saver	ENERGY STAR (USA)	ENERGY STAR Compliant
Product Safety	UL (USA) cUL (Canada) International (EU)	UL 1950, Third Edition CAN/CSA C22.2 No. 950-93 EN 60950 and IEC 60950
TUV/GS and CB Scheme		
Laser Safety	CDRH (USA) International (EU)	Title 21 CFR Ch. I, Subchapter J EN 60825-1

FCC Compliance Statement

Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is not guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help



A shielded cable is required to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

Class A



This is a Class B device, but with the optional Token-Ring interface installed, it changes to a Class A device.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his/her own expense.

Attention

Any modifications or changes to this product not expressly approved in writing by the manufacturer responsible for compliance to Federal Regulations could void the user's authority to operate this product within the Laws and Regulations of the Federal Communications Commission.

EN 55022

Attention

On the 220 volt printer, this Class B product becomes a Class A product with the addition of an optional Token-Ring interface. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Canadian Users Notice

Class B

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Class A



This is a Class B device, but with the optional Token-Ring interface installed, it changes to a Class A device.

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Laser Safety

This printer is certified as a Class 1 laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the printer does not produce hazardous laser radiation.

Since radiation emitted inside the printer is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

International Notices

Power Cord

The following power cord requirements are in effect for the 220v magicolor 2210.

Minimum	0.75 mm ²
Minimum	H05 VV - F
The male plug is certified in the country in which the equipment is to be installed, and the female plug is an IEC 320 connector.	

Voltage

Attention Norwegian users: This equipment is designed to operate within an IT power system where the line-to-line voltage does not exceed 240v.

Lithium Batteries

Attention Swiss users: Lithium batteries need to be disposed of in accordance with Annex 4.1 of SR814.013.

Warranty Considerations

Various factors can affect a printer's warranty. Two important ones are consumables and electrostatic discharge. Read your printer warranty carefully.



Don't return any merchandise to the manufacturer without calling for a return merchandise authorization (RMA) number. Refer to the Service & Support Guide for the Support telephone number where you can obtain an RMA number.

If you have any questions, refer to www.minolta-qms.com.

Consumables and Your Warranty

Use of consumables not manufactured by MINOLTA-QMS or use of non-supported print media may cause damage to your printer and void your warranty. If MINOLTA-QMS printer failure or damage is found to be directly attributable to the use of non-MINOLTA-QMS consumables and/or accessories, MINOLTA-QMS will not repair the printer free of charge. In this case, standard time and material charges will be applied to service your printer for that particular failure or damage.

To order consumables and accessories, go to www.q-shop.com or check the *Service & Support Guide* for the MINOLTA-QMS office closest to you.

Manufacturer's Declaration of Conformity

Europe

We:

MINOLTA-QMS Europe B.V.

(supplier's name)

Reactorweg 160, 3542 AD Utrecht, The Netherlands

(address)

declare under our sole responsibility that the product

magicolor 2210

(base product family name)

MC2200VII-2

(model number located on dataplate)

4120

(print engine model/type number)

to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

EN 60950:1992+A1+A2+A3+A4+A11, CB Scheme in accordance with

IEC 60950:1991+A1:1992+A2:1993+A3:1995+A4:1996.

CB Certificate No. US-TUVR-0562

EN 60825-1:1994+A11, EN 55022:1998, EN 55024:1998,

EN 61000-3-2:1995+A1:1997+A2:1998, EN 61000-3-3:1995,

IEC 61000-4-2: 1995+A1:1998

IEC 61000-4-3:1995+A1:1998, IEC 61000-4-4:1995, IEC 61000-4-5:1995,

IEC 61000-4-6:1996, IEC 61000-4-8:1993 and IEC 61000-4-11:1994

(title and/or and number and date of issue of the standard(s) or other normative document(s))

(if applicable) following the provisions of 73/23/EEC, 89/336/EEC
Directive(s).

Utrecht, The Netherlands—July, 2001

(place and date of issue)

Manufacturer's Declaration of Conformity

Latin America 110 Volt	Latin America 220 Volt
<p>We: <u>MINOLTA-QMS, Inc.</u> (supplier's name) <u>One Magnum Pass, Mobile, Alabama,</u> <u>USA, 36618</u> (address) declare under our sole responsibility that the product <u>magicolor 2210</u> (base product family name)</p> <p><u>MC2200VII-1</u> (model number located on dataplate) <u>4120</u> (print engine model/type number) to which this declaration relates is in conformity with the following standard(s) or other normative document(s) <u>UL 1950 Third Edition, 1995:</u> <u>cUL CAN/CSA C22.2 No. 950-M95:</u> <u>FCC Class B Digital Device Title 47 CFR</u> <u>Ch. I., Part 15:</u> <u>FCC Class A Digital Device Title 47</u> <u>CFR Ch. I., Part 15 applies for systems</u> <u>configured with Token-Ring interface</u> <u>installed: Industry Canada ICES-003</u> <u>Issue 3 Class B Digital Device:</u> <u>Industry Canada ICES-003 Issue 3</u> <u>Class A Digital Device applies for</u> <u>systems configured with Token-Ring</u> <u>interface installed:</u> <u>EPA ENERGY STAR Office Equipment</u> <u>Program:</u> <u>CDRH Laser Safety Title 21 CFR Ch. I.,</u> <u>Subchapter J:</u> <u>MSDS Title 29 CFR Ch. XVII, Part</u> <u>1910.1200.</u> (title and/or and number and date of issue of the standard(s) or other normative document(s))</p> <p>(if applicable) following the provisions of <u>N/A Directive(s).</u> <u>Mobile, Alabama, USA—July, 2001</u> (place and date of issue)</p>	<p>We: <u>MINOLTA-QMS, Inc.</u> (supplier's name) <u>One Magnum Pass, Mobile, Alabama,</u> <u>USA, 36618</u> (address) declare under our sole responsibility that the product <u>magicolor 2210</u> (base product family name)</p> <p><u>MC2200VII-2</u> (model number located on dataplate) <u>4120</u> (print engine model/type number) to which this declaration relates is in conformity with the following standard(s) or other normative document(s) <u>EN 60950:1992+A1+A2+A3+A4+A11,</u> <u>CB Scheme in accordance with IEC</u> <u>60950:1991+A1:1992+A2:1993+A3:</u> <u>1995+A4:1996,</u> <u>CB Certificate No. US-TUVR-0562</u> <u>EN 60825-1:1994+A11,</u> <u>EN 55022:1998, EN 55024:1998,</u> <u>EN 61000-3-2:1995+A1:1997+A2:1998,</u> <u>EN 61000-3-3:1995,</u> <u>IEC 61000-4-2:1995+A1:1998,</u> <u>IEC 61000-4-3:1995+A1:1998,</u> <u>IEC 61000-4-4:1995, IEC 61000-4-5:</u> <u>1995,</u> <u>IEC 61000-4-6:1996,</u> <u>IEC 61000-4-8:1993, and</u> <u>IEC 61000-4-11:1994</u></p> <p>(title and/or and number and date of issue of the standard(s) or other normative document(s))</p> <p>(if applicable) following the provisions of <u>73/23/EEC, 89/336/EEC Directive(s).</u> <u>Mobile, Alabama, USA—July, 2001</u> (place and date of issue)</p>

